

PTO/SB/21 (01-03)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/700,599

Filing Date

November 4, 2003

First Named Inventor

Bohrmann et al.

Art Unit

Examiner Name

Attorney Docket Number

21459 US

**ENCLOSURES (Check all that apply)**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to Group                            |
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Remarks

-References B1 and C1 to C18.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual

Kimberly J. Prior

Signature

Date

February 5, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

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February 5, 2004

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventors: Bohrmann, et al.

Serial No. 10/700,599, filed November 4, 2003  
(Ref. No. 21459 US)

For: **QUANTIFICATION OF BETA AMYLOID**

**INFORMATION DISCLOSURE STATEMENT**

Nutley, New Jersey 07110  
February 5, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

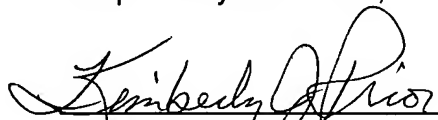
Documents B1 and C1 to C18, listed on Form PTO-1449 are enclosed.

Consideration of all the documents cited on Form PTO-1449 is requested.

Serial No. 10/700,599  
Filed: November 4, 2003

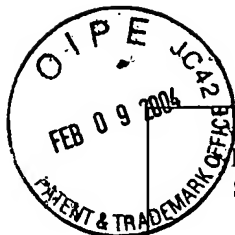
Since the Information Disclosure Statement is submitted before the mailing of the first Office Action on the merits or within three months of the filing date for the above application no fee is due.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Kimberly J. Prior", written over a horizontal line.

Attorney for Applicant(s)  
Kimberly J. Prior  
(Reg. No. 41,483)  
340 Kingsland Street  
Nutley, New Jersey 07110  
Telephone: (973) 235-6208  
Telefax: (973) 235-2363

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Substitute for form 1449A/PTO				Complete if Known			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/700,599		
				Filing Date	November 4, 2003		
				First Name Inventor	Bohrmann, et al.		
(Use several sheets if necessary)				Attorney Docket Number	21459 US		
Sheet	1	of	2				
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY		
		Number	Kind Code <sup>2</sup> (if known)				
	<b>A</b>						
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number	Kind Code <sup>5</sup> (if known)			
	<b>B1</b>		EP 0 641 861		F.Hoffmann-La Roche AG	03/08/1995	
<b>NON PATENT LITERATURE DOCUMENTS</b>							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					T <sup>2</sup>
	<b>C1</b>	Schutze et al. (1998) Identification of expressed genes by laser-mediated manipulation of single cells, Nature Biotechnology 16:737-742					
	<b>C2</b>	Simone et al. (1998) Laser-capture microdissection: opening the microscopic frontier to molecular analysis, TIG 14:272-276					
	<b>C3</b>	Teller, J. K. et al., Presence of soluble amyloid beta-peptide precedes amyloid plaque formation in Down's syndrome Nat. Med. 1996, 2, 93-95					
	<b>C4</b>	Kuo, Y. M. et al., Water-soluble ABeta (N-40, N42) oligomers in Normal and Alzheimer Disease Brains, J. Biol. Chem. 1996, 271, 4077-4081					
	<b>C5</b>	J. Naslund, A. Schierhorn, U. Hellman, L. Lannfelt, AD Roses, LO Tjernberg, J. Silberring, SE Gandy, B. Winblad, PG gard, C. Nordstedt, and L. Terenius (1994) Relative Abundance of Alzheimer ABeta Amyloid Peptide Variants in Alzheimer Disease and Normal Aging, PNAS 91:8378-8382					
	<b>C6</b>	Burdick, D. et al., Assembly and aggregation properties of synthetic Alzheimer's A4/beta amyloid peptide analogs, J. Biol. Chem. 1992, 267, 546-554					
	<b>C7</b>	Barrow, C. J. et al., Solution conformations and aggregational properties of synthetic amyloid beta-peptides of Alzheimer's disease. Analysis of circular dichroism spectra, J. Mol. Biol. 1992, 225, 1075-1093					
Examiner Signature		Date Considered					

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation or abstract is attached.



Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/700,599
				Filing Date	November 4, 2003
				First Name Inventor	Bohrmann, et al.
(Use several sheets if necessary)					
Sheet	2	of	2	Attorney Docket Number	21459 US

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	<b>C8</b>	J. Stults et al., Simplification of High-Energy Collision Spectra of Peptides by Amino-Terminal Derivatization, Anal. Chem. 1993, 65, 1703-1708	
	<b>C9</b>	B. Spengler et al., Peptide sequencing of charged derivatives by postsource decay MALDI mass spectrometry, Int. J. Mass Spectrom. 1997, 169-170, 127-140	
	<b>C10</b>	Z. Huang et al., Protein Sequencing by Matrix-Assisted Laser Desorption Ionization-Postsource Decay-Mass Spectrometry Analysis of the N-Tris (2,4,6-trimethoxyphenyl)phosphine-Acetylated Tryptic Digests*1, Anal. Biochem. 1999, 268, 305-317	
	<b>C11</b>	Staudenmann W. and James P. in Proteome Research: Mass Spectrometry (P. James, Ed) Springer Verlag, Berlin (2001) 143-166	
	<b>C12</b>	Richards J. G., Ozmen L., Brockhaus M., Bohrmann B., Malherbe P., Jacobsen, H., Huber G.S, Bluethmann H., Kew J.N.C., Kemp J.A. Ouagazzal A.M. and Higgins G.A., Double transgenic mice overexpressing hAPPswe and hPSmut show age-dependent cognitive deficits and amyloid deposits in discrete brain regions, Soc. Neurosci. Abstr. 2001, Vol. 27, Program No. 546.7	
	<b>C13</b>	Carter et al. (1998), A Model for Structure-Dependent Binding of Congo Red to Alzheimer Beta-Amyloid Fibrils, Neurobiology of Aging 19: 37-40	
	<b>C14</b>	Selkoe D.J. (2001) Alzheimer's Disease: Genes Proteins & Therapy, Physiological Reviews 81: 741-766	
	<b>C15</b>	Kirschner D.A. et al., J. Proc. Natl. Acad. Sci. USA 1987, Vol. 84, 6953-6957	
	<b>C16</b>	Srinivasan, R. (1986) Science 234:559-565	
	<b>C17</b>	Doebeli et al. (1995) Biotechnology 13:988-993	
	<b>C18</b>	Ida et al. (1996) J. Biol. Chem. 271:22908-22914	
Examiner Signature			
DATE CONSIDERED			

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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